

PANA0001-100
(formerly PANA-0002)

PATENT APPLICATION

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAR 28 2005

In re application of: Leonid A. Yakubov

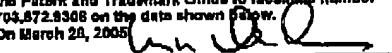
Serial No.: 09/753,892

Group Art Unit: 1632

Filed: January 3, 2001

Examiner: Scott David Priebe

Title: COMPOSITIONS COMPRISING GENOME SEGMENTS AND
METHODS OF USING THE SAME

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On March 28, 2005

Mark DeLuca, Regis. No. 33,228

AMENDMENT AND RESPONSE

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This paper is filed in response to the Office Action dated September 28, 2004. A Petition for Extension of Time up to and including March 28, 2005, is filed simultaneously herewith. In response to the Office Action, please amend the above-referenced application as follows and consider the following remarks:

Amendments to the Claims are reflecting the listing of the claims which begins on page 2 of this paper.

Remarks begin on page 9 of this paper.

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FROM: Mark DeLuca TIMEKEEPER NO.: 2299
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 # OF PAGES (INCLUDING COVER): 24 FILE NAME: PANA0001-100
 DATE: March 28, 2005 FILE #: 133955

RECIPIENT(S)	PHONE	FAX
U.S. PATENT AND TRADEMARK OFFICE Examiner Scott D. Priebe GAU 1632	517.272.0733	703.872.9306

MESSAGE: PLEASE DELIVER TO EXAMINER SCOTT DAVID PRIEBE, GROUP ART UNIT 1632

U.S. PATENT APPLICATION NO. 09/753,892

Transmitted herewith:

- Transmittal Form (1 page)
- Fee Transmittal Form (dupl.) (w/auth to charge deposit acct)
- Change of Correspondence Address (1 page)
- Petition for 3 Months Extension of Time (dupl.)
- Amendment and Response (17 pages)

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number 08/753,892

Filing Date January 3, 2001

First Named Inventor Leonid Yakubov

Art Unit 1632

Examiner Name Scott D. Priebe

Attorney Docket Number PANA0001-100

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Change of Correspondence Address; postcard receipt
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm	Cozen O'Connor		
Signature			
Printed Name	Mark DeLuca		
Date	March 28, 2005	Reg. No.	33,229

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature	
Typed or printed name	Mark DeLuca
Date	March 28, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Effective on 12/09/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4618).

FEE TRANSMITTAL for FY 2005

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$510.00)

<i>Complete If Known</i>	
Application Number	09/753,892
Filing Date	January 3, 2001
First Named Inventor	Leonid A. Yakubov
Examiner Name	Scott D. Pribe
Art Unit	1632
Attorney Docket No.	PANA0001-100

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify) :

Deposit Account Deposit Account Number: 50-1275 Deposit Account Name: Cozen O'Connor

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or underpayments of fee(s) Credit any overpayments

Under 37 CFR 1.16 and 1.17

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

<u>Application Type</u>	<u>FILING FEES</u>		<u>SEARCH FEES</u>		<u>EXAMINATION FEES</u>		
	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Fees Paid (\$)</u>
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

<u>Total Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Small Entity</u>
				<u>Fee (\$)</u> <u>Fee (\$)</u>
39	-39 or HP= 0	x 0	= _____	50 25
				200 100
				360 180

HP = highest number of total claims paid for, if greater than 20.

<u>Indep. Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Multiple Dependent Claims</u>
				<u>Fee (\$)</u> <u>Fee Paid (\$)</u>
3	-3 or HP= 0	x 0	= _____	_____

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(c)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)

$$- 100 = \text{ } / 50 = \text{ } \text{ (round up to a whole number)} \times \text{ } = \text{ }$$

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge) : 3 mos. extension of time fee

\$10.00

SUBMITTED BY

<u>Signature</u>	<u>Mark DeLuca</u>	Registration No. (Attorney/Agent)	23,229	Telephone	215-665-3692
Name (Print/Type)	Mark DeLuca	Date	March 28, 2005		

This collection of information is required by 37 CFR 1.135. The information is required to obtain or retain a benefit by the public which is to be (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Approved for use through 07/31/2006, OMB 0851-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL for FY 2005

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 510.00)

Complete If Known

Application Number	09/753,892
Filing Date	January 3, 2001
First Named Inventor	Leonid A. Yakubov
Examiner Name	Scott D. Priebe
Art Unit	1632
Attorney Docket No.	PANA0001-100

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify) :

Deposit Account Deposit Account Number: 50-1275 Deposit Account Name: Cozen O'Connor

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee
 Charge any additional fee(s) or underpayments of fee(s) Credit any overpayments

Under 37 CFR 1.16 and 1.17

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	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Fees Paid (\$)</u>
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Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

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				<u>Fee (\$)</u>	<u>Fee (\$)</u>
-39 or HP=	0	x	=	50	25
				200	100
				360	180
<u>Multiple Dependent Claims</u>				<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
				_____	_____

HP = highest number of total claims paid for, if greater than 20.

<u>Indep. Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
- 3 or HP=	0	x	=

HP = highest number of independent claims paid for, if greater than 3.

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<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each additional 50 or fraction thereof</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
- 100 =	/ 50 =	(round up to a whole number) x	=	=

4. OTHER FEE(S)

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Other (e.g., late filing surcharge) : 3 mos. extension of time fee

\$10.00

SUBMITTED BY

<u>Signature</u>	<u>Mark DeLuca</u>	Registration No. (Attorney/Agent)	33,229	Telephone	215-685-5532
Name (Print/Type)				Date	March 28, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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